

The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) In a JAVA computing environment, a method of generating optional attributes in a JAVA class file, said method comprising:  
  
receiving as input JAVA runtime environment optimization information;  
  
generating one or more optional attributes based on said ~~[[Java]]~~ JAVA runtime environment optimization information; and  
  
writing said one or more optional attributes in an attribute table portion of a ~~[[Java]]~~ JAVA class file.
2. (Cancelled)
3. (Original) A method as recited claim 1, wherein said method further comprises:  
  
generating computer program code that implements an application programming interface suitable for loading said one or more optional attributes.
4. (Currently Amended) A method as recited claim 3, wherein said application programming interface can be used to read said one or more optional attributes from said ~~[[Java]]~~ JAVA class file.
5. (Previously Presented) A method as recited claim 4, wherein said application programming interface includes functions that can be used to read first, last, and next optional attributes in said JAVA class file.
6. (Previously Presented) A method as recited claim 4, wherein said application programming interface includes a function suitable for finding an optional attribute in said JAVA class file.

7. (Previously Presented) A method as recited claim 1, wherein said JAVA runtime environment optimization information is stored in a database.
8. (Previously Presented) A method as recited in claim 7, wherein said database is generated by a compiler extension or a software tool suitable for analyzing a JAVA application.
9. (Original) A method as recited in claim 7, wherein said database is stored in a runtime performance manager that can interact with software modules that generate and load said one or more optional attributes.
10. (Original) A method as recited in claim 7, wherein said method further comprises:  
updating said database to reflect generation of said one or more optional attributes.
11. (Previously Presented) In a JAVA computing environment, a JAVA optional attribute generator computer-implemented method suitable for generation of optional attributes in a JAVA class file, said JAVA optional attribute generator computer-implemented method operating to:  
receive as input JAVA runtime environment optimization information;  
generate one or more optional attributes based on said JAVA runtime environment optimization information; and  
write said one or more optional attributes in an attribute table portion of a JAVA class file.
12. (Previously Presented) A JAVA optional attribute generator as recited in claim 11, wherein said JAVA optional attribute generator computer-implemented method operates to generate computer program code that implements an application programming interface suitable for loading said one or more optional attributes.

13. (Previously Presented) A JAVA optional attribute generator computer-implemented method as recited in claim 11, wherein an application programming interface can be used to read said one or more optional attributes from said JAVA class file.
14. (Previously Presented) A JAVA optional attribute generator computer-implemented method as recited in claim 11, wherein said JAVA runtime environment optimization information is stored in a database.
15. (Previously Presented) A JAVA optional attribute generator computer-implemented method as recited in claim 11, wherein said database is generated by a compiler extension or a software tool suitable for analyzing a JAVA application.
16. (Previously Presented) A JAVA optional attribute generator computer-implemented method as recited in claim 11,  
wherein said database is stored in a runtime performance manager that can interact with software modules that generate and load said one or more optional attributes.
17. (Previously Presented) A JAVA optional attribute generator as recited in claim 11, wherein said optional attribute generator computer-implemented method operates to update said database to reflect generation of said one or more optional attributes.
18. (Previously Presented) A JAVA optional attribute generator as recited in claim 11, wherein said optional attribute generator computer-implemented method operates to generate a description of an optional attribute.
19. (Previously Presented) A JAVA optional attribute generator computer-implemented method as recited in claim 18, wherein said description is in XML format.

20. (Currently Amended) A computer readable medium including computer program code for generating optional attributes in a JAVA class file, said computer readable medium comprising:

computer program code for receiving as input JAVA runtime environment optimization information;

computer program code for generating one or more optional attributes based on said [[Java]] JAVA runtime environment optimization information; and

computer program code for writing said one or more optional attributes in an attribute table portion of a [[Java]] JAVA class file.

21. (Original) A computer readable medium as recited in claim 20, wherein said method further comprises:

generating computer program code that implements an application programming interface suitable for loading said one or more optional attributes.

22. (Previously Presented) A computer readable medium as recited in claim 21, wherein said JAVA runtime environment optimization information is stored in a database.

23. (Previously Presented) A computer readable medium as recited in claim 22, wherein said database is generated by a compiler extension or a software tool suitable for analyzing a JAVA application.

24. (Original) A computer readable medium as recited in claim 22, wherein said database is stored in a runtime performance manager that can interact with software modules that generate and load said one or more optional attributes.

25. (Original) A computer readable medium as recited in claim 24, wherein said method further comprises:

updating said database to reflect generation of said one or more optional attributes.